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Bidder acknowledges receipt of and has added to and made a part of the proposal and contract documents the following

#### MISSISSIPPI DEPARTMENT OF TRANSPORTATION

# ADDENDUM No. 1 DOCUMENT 00910

DATE: 03-21-05

PROJECT: DISTRICT HEADQUARTERS BUILDING AT

HATTIESBURG, FORREST COUNTY, MISSISSIPPI

PROJECT NUMBER: BWO-6098-18(001) 501427

PART 1 GENERAL

1.01 DESCRIPTION: Bidders are hereby advised that the following changes are to be made to this Contract. Bidders shall acknowledge receipt of this Addendum by inserting the accompanying page showing its number and date in the Proposal.

#### 1.02 SPECIFICATIONS

- A. Document 00010 Table of Contents. Omit this Section in its entirety and replace with Document 00010 – Table of Contents (Revised 03-21-05). Note: The Contract is to include all Site Work as shown on Drawings. The Department of Transportation will not be responsible for any site work.
- B. Section 01290 Payment Procedures. Omit this Section in its entirety and replace with Section 01290 Payment Procedures (Revised 3-21-05).
- C. Section 02365 Soil Treatment for Termite Control. Omit this Section in its entirety and replace with Section 02365 Soil Treatment for Termite Control. (Revised 3-21-05).
- D. Section 07218 Spray-on Insulation System Add this Section (3-21-05).
- E. Section 12492 Horizontal Louver Blinds. Omit this Section in its entirety and replace with Section 12492 Horizontal Louver Blinds. (Revised 3-21-05).
- F. Section 16420 Emergency Electrical Generator:
  - 1. Point of clarification: This is a diesel generator and no gas is required.
  - 2. Sub-Section 1.03 A1. Change 300kw / 375kva to 360kw / 450kva.

#### 1.03 DRAWINGS

- A. Sheet Number 105, Working Number E4.1 Light Fixture Schedule & Power Riser Diagram: (Revised 03-21-05). The following changes include:
  - 1. Change 800Amp MLO panel (EDP) to a 600 Amp MLO panel. Also, change feeder to EDP from 2 runs of 4#500MCM with #1/0 (G) in 3-1/2" conduit to 2 runs of 4#350 MCM with #1(G) in 3-1/2" conduit.

- 2. Change Automatic Transfer Switch (ATS) from an 800 Amp switch to a 600 Amp transfer switch. Change feeder to ATS from 2 runs of 4#500MCM with 1#1/0(G) in 3-1/2" conduit to 2 runs of 4#350MCM with 1#1(G) in 3-1/2" conduit (Revised 03-21-05).
- B. Sheet Number 97 Working Number, E2.5 Auditorium Floor Plan Electrical (Revised 03-21-05). The following changes include:
  - 1. The generator indicated on the lighting part of this sheet should read 350 KW just like the power/communications part of this sheet.
- C. Sheet Number 103, Working Number E3.3 Electrical Panel Schedules (Revised 03-21-05). The following Change include:
  - 1. Change breaker MDP-8,10,12 in panel MDP from an 400A3P breaker to an 600A3P breaker feeding panel EDP.
  - 2. Change breaker feeding elevator (MDP-7,9,11) from a 90A3P shunt trip breaker to a 60A3P shunt trip breaker.
- D. Sheet Number 95, Working Number E2.3 First Floor Plan Power/Communications (Revised 03-21-05). The following changes include:
  - 1. Relocate Panels in Room 112 as required to minimize feeder runs and any interference with elevator pit wall.

PART 2 PRODUCTS Not Used

PART 3 EXECUTION Not Used

\*\*\*END OF DOCUMENT\*\*\*

#### MISSISSIPPI DEPARTMENT OF TRANSPORTATION

# **TABLE OF CONTENTS DOCUMENT 00010**

PROJECT: DISTRICT HEADQUARTERS BUILDING AT

HATTIESBURG, FORREST COUNTY, MISSISSIPPI

PROJECT NUMBER: BWO-6098-18(001) 501427

1-31-05 (Revised 3-21-05) DATE:

**DESCRIPTION A:** This Work shall consist of all site Work and all construction Work necessary in constructing the District Headquarters Building at Hattiesburg, Forrest County, Mississippi in accordance with these Specifications and conforming with the Drawings.

It is the intention of these Specifications to provide the necessary items and instruction for a complete building including all code compliance. Omission of items or instruction necessary or considered standard good practice for the proper installation and construction of the building shall not relieve the Contractor of furnishing and installing such items and conforming to the building codes having jurisdiction.

#### **GENERAL INDEX**

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DOCUMENT	00010	TABLE OF CONTENTS
DOCUMENT	00015	INDEX OF DRAWINGS
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DOCUMENT	00150	PRE-BID MEETING
DOCUMENT	00200	INSTRUCTIONS TO BIDDERS
DOCUMENT	00300	NOTICE TO BIDDERS
DOCUMENT	00320	GEOTECHNICAL DATA (WITH REPORT FOLLOWING)
DOCUMENT	00400	PROPOSAL FORM
DOCUMENT	00500	AGREEMENT FORM
DOCUMENT	00600	CONTRACT BOND
DOCUMENT	00602-1	NON-COLLUSION CERTIFICATION
DOCUMENT	00602-2	NON-COLLUSION CERTIFICATION
DOCUMENT	00604	STATE BOARD OF CONTRACTORS REQUIREMENTS
DOCUMENT	00605	HAUL PERMIT FOR BRIDGES WITH POSTED LIMITS
DOCUMENT	00700	GENERAL CONDITIONS (WITH AIA 201 FOLLOWING)
DOCUMENT	00800	SUPPLEMENTARY CONDITIONS
DOCUMENT	00910	ADDENDUM NUMBER 1

# DIVISION 1 GENERAL REQUIREMENTS

SECTION	01110	SUMMARY OF WORK
SECTION	01210	ALLOWANCES
SECTION	01290	PAYMENT PROCEDURES
SECTION	01295	SCHEDULE OF VALUES
SECTION	01298	CHANGE ORDER PROCEDURES
SECTION	01310	PROJECT MANAGEMENT AND COORDINATION
SECTION	01315	PROJECT MEETINGS
SECTION	01320	CONSTRUCTION PROGRESS DOCUMENTATION
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SECTION	01425	REFERENCE DOCUMENTS
SECTION	01455	TESTING LABORATORY SERVICES

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DIVISION 3 SECTION SECTION SECTION	CONCRETE 03100 03200 03300	CONCRETE FORMS AND ACCESSORIES CONCRETE REINFORCEMENT CAST-IN-PLACE CONCRETE	
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DIVISION 6 SECTION SECTION	<b>WOOD AND P</b> 06100 06400	LASTICS ROUGH CARPENTRY ARCHITECTURAL WOODWORK	
DIVISION 7 SECTION	THERMAL AN 07210 07218 07220 07260 07412 07545 07600 07610 07650 07700 07840 07920  strict – Forrest	BUILDING INSULATION SPRAY-ON INSULATION SYSTEM SLOPED ROOF DECK INSULATION VAPOR RETARDERS ALUMINUM COMPOSITE PANEL SYSTEM THERMOPLASTIC MEMBRANE ROOFING FLASHING AND SHEET METAL SHEET METAL ROOFING FLEXIBLE FLASHING ROOF SPECIALTIES AND ACCESSORIES FIRESTOPPING JOINT SEALANTS	
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DIVISION 9 SECTION	FINISHES 09050 09125 09250 09310 09340 09400 09510 09549 09640 09650 09655 09680 09725 09728 09900	COLOR DESIGN SUSPENDED GYPSUM BOARD SYSTEM GYPSUM BOARD CERAMIC TILE PAVER TILE TERRAZZO ACOUSTICAL CEILINGS WIDE PANEL METAL CEILINGS WOOD FLOORING RESILIENT FLOORING RUBBER FLOORING CARPET VINYL WALL COVERING FABRIC WALL COVERING PAINTS AND COATINGS
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SECTION SECTION SECTION SECTION	15080 15100 15180 15200	HVAC TEST AND BALANCE MECHANICAL SUPPORTING SYSTEMS MECHANICAL SYSTEMS INSULATION VIBRATION ISOLATORS
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SECTION SECTION SECTION SECTION	15450 15501 15605 15670	PLUMBING FIXTURES AND TRIM FIRE PROTECTION ELECTRIC WALL HEATERS AIR COOLED CONDENSING UNITS (CU-1, CU-2, AND CU-3)
SECTION SECTION SECTION SECTION	15680 15733 15740 15840	AIR COOLED CONDENSING UNIT (CU-5) PACKAGED ROOFTOP AIR CONDITIONING UNITS VARIABLE AIR VOLUME BOXES DUCTWORK AND ACCESSORIES
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SECTION SECTION	15910 15920	BUILDING AUTOMATION SYSTEM CHANGEOVER / BYPASS VARIABLE AIR VOLUME SYSTEM CONTROLLER
DIVISION 16 SECTION	ELECTRICAL 16010 16100 16115 16200 16300 16420 16430 16552 16640 16660 16721 16920	ELECTRICAL GENERAL REQUIREMENTS BASIC MATERIALS AND METHODS CABLE TRAYS SERVICE AND DISTRIBUTION LIGHTING EMERGENCY ELECTRICAL GENERATING SYSTEM AUTOMATIC LOAD TRANSFER SWITCH LIGHTED DISPLAY SHELVING AND ACCESSORIES SECURITY SYSTEMS CLOSED CURCUIT TELEVISION SYSTEM FIRE ALARM AND DETECTION SYSTEM MOTOR CONTROLS AND WIRING

\*\*\* END OF DOCUMENT\*\*\*

# PAYMENT PROCEDURES (Revised 3-21-05)

# PART 1 GENERAL

1.01 METHOD OF MEASUREMENT: The method of measurement and payment shall conform to the applicable provisions of Article 9 of the AIA Document A201-1997 General Conditions of the Contract for Construction.

#### 1.02 APPLICATION FOR PAYMENT

#### A. Format:

1. Applications for Payments will be prepared on AIA forms G702-Application and Certificate for payment and G703-Continuation Sheet; or, a computer generated form containing similar data may be used.

# B. Preparation of Application:

- 1. Present required information in type written form.
- 2. Execute certification by signature of authorized officer.
- 3. Use data from approved Schedule of Values. Provide dollar value in each column for each line item for portion of Work performed and for stored products.
- 4. List each authorized Change Order (Supplemental Agreement) as an extension on continuation sheet, listing Change Order (Supplemental Agreement) number and dollar amount as for an original Item of Work.
- 5. Prepare Application for Final Payment as specified in Section 01770-Closeout Procedures.

#### C. Submittal Procedures:

- 1. Submit 5 copies of each Application for Payment to the Project Engineer.
- 2. Submit an updated construction schedule with each Application for Payment as described in Section 01320-Construction Progress Documentation.
- Submit request for payment at intervals agreed upon by the Project Engineer, Owner, and Contractor.
- 4. Submit requests to the Project Engineer at agreed upon times, or as may be directed otherwise.

# D. Substantiating Data:

- 1. Submit data justifying dollar amounts in question when such information is needed.
- 2. Provide one copy of the data with a cover letter for each submittal.
- 3. Indicate the Application number, date and line item number and description.

#### 1.03 STATEMENTS AND PAYROLLS

A. The submission by the Contractor of the actual weekly payrolls showing all employees, hours worked, hourly rates, overtime hours, etc., or copies thereof, is not required to be turned in. However, each Contractor and Subcontractor shall preserve weekly payroll records for a period of three years from the date of Contract completion. All Contractor personnel working at the project site will be paid unconditionally and not less often than once a week without subsequent deduction or rebate on any account, except such payroll deductions as are permitted by regulations, the full amounts of wages and bona fide fringe benefits due at time of payment.

- B. The payroll records shall contain the name, address, social security number, classification, rate of pay, daily and weekly number of hours worked, itemized deductions and actual wages paid to each employee.
- C. Upon request, the Contractor will make payroll records available at the project site for inspection by the Department Compliance Officer or authorized representative and will permit such officer or representative to interview employees on the job during working hours.
- D. The Contractor and Subcontractors shall submit Form CAD-880, "Weekly Summary of Wage Rates", each week to the Project Engineer. The forms may be obtained from the Contract Compliance Officer, Contract Administration Division, Mississippi Department of Transportation, Jackson, Mississippi. Custom forms, approved by Contract Administration Division, may be used in lieu of CAD forms.

#### 1.04 BASIS OF PAYMENT

- A. This Work will be paid for by Contract Sum for the construction of the District Headquarters Building at Hattiesburg in District Six, Forrest County, Mississippi. The Contract Sum shall be full compensation for all site work, for furnishing all materials, and all other Work and effort of whatever nature in the construction of the building, installation of underground and other equipment, and final clean-up of the area. It shall also be complete compensation for all equipment, tools, labor, and incidentals necessary to complete the Work.
- B. Payment will be made under:

MDOT Project No. BWO-6098-18(001) 501427

lump sum

TOTAL PROJECT CONTRACT SUM

LUMP SUM

PART 2PRODUCTS Not Used

PART 3 EXECUTION Not Used

# SOIL TREATMENT FOR TERMITE CONTROL

(Revised 3-21-05)

# PART 1 GENERAL

SECTION INCLUDES: Soil treatment for termite control.

#### 1.02 **SUBMITTALS**

- A. Submit manufacturer's technical product data and application instructions prior to application for Project Engineer's approval.
- Submit sample copies of the Termite Soil Treatment Guarantee form prior to application B. for Project Engineer's approval.
- C. Quality Assurance/Control Submittals: Submit identification of at least 3 projects of similar scope along with name, address, and telephone number of the Architect, Owner and General Contractor.
- 1.03 QUALITY ASSURANCE: In addition to the requirements of these Specifications, comply with manufacturer's instructions and recommendations for the Work, including preparation of substrate and application.
  - Engage a professional pest control operator, licensed by the State of Mississippi, Mississippi Department of Agriculture and Commerce, Bureau of Plant Industry, and in accordance with regulations of governing authorities for application of soil treatment solution. The pest control operator is to have the aforementioned valid license, the company technician is to have a valid identification card for pest control, and the company vehicle is to be clearly marked with the company name.
  - The professional pest control operator specializing in Soil Treatment for Termite Control. with 5 years minimum experience, who has completed work similar to that indicated for this project and with a record of successful in-service performance.
  - Comply with Mississippi Regulations Governing Pest Control Operators in following the labels of the termiticide.

#### 1.04 PROJECT CONDITIONS

- Do not apply soil treatment solution until excavating, filling and grading operations are completed, except as otherwise required in construction operations.
- To insure penetration, do not apply soil treatment to frozen or excessively wet soils or during inclement weather. Comply with other handling and application instructions of the soil toxicant manufacturer.
- Remove all non-pressure treated wood contacting soil. Remove grade stakes prior to applying horizontal barrier and all form boards, stakes and concrete over pour prior to applying vertical soil treatment.
- 1.05 GUARANTEE: Furnish 2 copies of written guarantee certifying that the applied soil poisoning treatment will prevent the infestation of subterranean termites and, that termite contractor will re-treat the soil and also repair or replace any damage caused by termite infestation without expense to the Owner. Provide guarantee for a period of 5 years from the date of treatment, signed by the Applicator and the Contractor.

#### **PART 2 PRODUCTS**

#### 2.01 SOIL TREATMENT SOLUTION

- A. Use an emulsible concentrate insecticide for dilution with water specially formulated to prevent infestation by termites as recommended by the Southern Forest Experiment Station, Forest Insect Laboratory at Gulfport, Mississippi, and registered by the Bureau of Plant Industry for use in structural pest control work. Fuel oil will not be permitted as a diligent. Provide a working solution of one of the following chemical elements:
  - 1. Horizontal barrier: Cypermethrin, Prevail or Talstar.
  - 2. Vertical barrier: Fipronil.
- B. Other solutions may be used as recommended by Applicator and if acceptable to local and state governing authorities. Use only soil treatment solutions that are not injurious to plants.

#### PART 3 EXECUTION

- 3.01 INSPECTION: Applicator must examine the areas and conditions under which soil treatment for termite control is to be installed and notify the Contractor in writing of conditions detrimental to the proper and timely completion of the Work. Do not proceed with the Work until unsatisfactory conditions have been corrected in a manner acceptable to the Applicator.
- 3.02 APPLICATION: Remove foreign matter, which could decrease effectiveness of treatment on areas to be treated. Loosen, rake, and level soil to be treated, except previously compacted areas under slabs and foundations. Toxicants may be applied before placement of compacted fill under slabs, if recommended by toxicant manufacturer.
  - A. Application Rates: Under slab-on-grade, suspended slab, foundation footings and other similar structures, treat the soil before concrete slabs are poured using either power sprayer or tank-type garden sprayer. Apply soil treatment solution, using color dye marking agent to insure the area is treated, as follows:
    - 1. Termiticide applied for the prevention of termites shall comply with the manufacturer's label and shall not be applied at concentrations or volumes less than specified on the label.
    - 2. Reapply soil treatment solution to areas disturbed by subsequent excavation or other construction activities following application.
  - C. Allow a minimum of 12 hours for drying after application, before beginning concrete placement or other construction activities.
- 3.03 PROTECTION: Prior to each application, the applicator shall notify the Contractor of the intended application and instruct the responsible person to notify construction workers and other site individuals to leave the treated are and not to return until chemical has been installed into the soil.
  - A. Post signs in the areas of application warning workers that soil poisoning has been applied. Remove signs when areas are covered by other construction.

#### SECTION 07218

# SPRAY-ON INSULATION SYSTEM (Added 3-21-05)

#### PART 1 GENERAL

#### 1.01 SECTION INCLUDES

- A. The products of the Work and the requirements for their quality, delivery, handling, storage, protection and installation.
- B. Sprayed cellulose thermal insulation of under-slab deck/structure in building crawl space.

#### 1.02 RELATED ITEMS

- A. Clips, hangers, supports, sleeves and other attachments to spray bases are to be placed by other trades prior to the application of sprayed insulation.
- B. Ducts, piping conduit or other suspended equipment shall not be positioned until after the application of sprayed insulation.

#### 1.03 SUBMITTALS

- A. Product Data: Submit manufacturer's technical data, installation instructions, and manufacturer's certificate that the product meets or exceeds the specified requirements.
- B. Quality Assurance/Control Submittals: Submit manufacturer's written certification that product contains no asbestos, fiberglass or other man made mineral fiber and copy of manufacturer's ISO 9001: 2000 Certification

#### 1.04 QUALITY ASSURANCE

- A. Manufacturer: Shall be ISO 9001: 2000 Certified and subscribe to independent laboratory follow-up inspection services of Underwriters Laboratories or Factory Mutual. Each bag shall be labeled accordingly.
- B. Applicator: Shall be licensed by the manufacturer.

# 1.05 DELIVERY, STORAGE and HANDLING:

- A. Deliver in original, unopened containers bearing the name of the manufacturer, product identification and references to U.L. testing.
- B. Store materials dry, off the ground and under cover.
- C. Protect liquid adhesive from freezing.

#### PART 2 PRODUCTS

### 2.01 ACCEPTABLE MANUFACTURERS:

- A. Specifications are based on products manufactured by International Cellulose Corporation,12315 Robin Boulevard, Houston, TX 77045, Phone: (713) 433-6701 or (800) 444-1252 Fax: (713) 433-2029. Contact International Cellulose Corporation for approved applicators.
- B. Equivalent products by the following manufacturers are acceptable:
  - 1. Nu-Wool Insulation Co., Inc., 2472 Port Sheldon Street, Jenison, MI 49428, Tel: (616) 669-2700.
  - ThermoCon, Inc., 2500 Jackson Street, Monroe, LA 71202, Tel; (800) 854-1907.

C. Substitutions shall fully comply with specified requirements and Section 01630 – Product Options and Substitution Procedures.

#### 2.02 MATERIALS

# A. K-13 Spray-On-Systems

- 1. Color shall be "Tan".
- 2. Apply at minimum thickness to provide an R-value of 20.
- 3. Comply with ASTM E-736 for field-tested bond strength; tested @> 5 years.
  - a. Not less than 400 psf.
  - b. Not less than 600 times its weight @ 1".
- 4. Comply with ASTM E-84/U.L. 723,Tested at minimum of 5" thickness Class 1, Class A Flame Spread 5, Smoke Development 5
- 5. Comply with ASTM E-1042.
- 6. Non corrosive per ASTM C-739.
- 7. Bond Deflection per ASTM E-759: 6" deflection in 10' span No spalling or delaminating.
- 8. Cohesive Strength at time of application per Method WS-2000: > 700 Grams.

#### PART 3 EXECUTION

#### 3.01 EXAMINATION

A. Examine surfaces and report unsatisfactory conditions in writing. Do not proceed until unsatisfactory conditions are corrected.

# 3.02 PREPARATION

- A. Provide masking, drop cloths or other satisfactory coverings for materials/surfaces that are not to receive insulation to protect from over-spray.
- B. Coordinate installation of sprayed cellulose fiber with work of the other trades.
- C. Prime surfaces as required by the manufacturers' instructions or as determined by examination.

#### 3.03 INSTALLATION

- A. Thickness will be determined as the minimum thickness measured as per ASTM E-605 field test procedure.
- B. Install spray applied insulation according to manufacturer's recommendations.
- C. Cure insulation with continuous natural or mechanical ventilation.
- D. Remove and dispose of over-spray and all debris caused by the application.

### 3.04 PROTECTION

A. Protect finished installation until properly cured and inspected by the Project Engineer.

# HORIZONTAL LOUVER BLINDS

(Revised 3-21-05)

#### PART 1 GENERAL

- 1.01 SECTION INCLUDES: 2" horizontal louver blinds, accessories, attaching hardware, labor and equipment necessary to complete satisfactory installation.
- 1.02 RELATED SECTIONS: Section 09050 Color Design

#### 1.03 SUBMITTALS

- A. Submit manufacturer's descriptive literature indication materials, finishes, construction and installation instructions, and data verifying that product meets requirements specified. Include manufacturer's recommendations for maintenance and cleaning.
- B. Shop Drawings: Indicate field-measured dimensions of openings to receive blinds. Include illustrations of special accessory components not included in manufacturer's product data. Indicate details of head and sill conditions, corner conditions, and conditions between adjacent blind units.
- C. Color Samples: Submit two 6" (0.15m) samples of material indicating full color range and color variation.
- D. Product Sample: Submit one 16" wide by 24" long fully functional sample blind.
- 1.04 QUALITY ASSURANCE: Manufacturer and installer shall have at least five years experience in this type of product and installation.
- 1.05 WARRANTY: Provide manufacturer's standard five year written warranty against defects in materials and workmanship beginning at date of substantial completion.
- 1.06 PRODUCT DELIVERY: Blinds shall be carefully handled and stored to prevent damage to materials, finishes and operating mechanisms.

# PART 2 PRODUCTS

#### 2.01 ACCEPTABLE MANUFACTURERS

- A. Drawings and specifications are based on products manufactured by Skandia Window Fashions, 270 Crossway Road, Tallahassee, FL 32305; Tel. (800) 874–3168.
- B. Equivalent products by the following manufacturers are acceptable:
  - 1. Levolor Home Fashions Contract Division, 4110 Premier Dr., High Point, NC 27265. Tel. (336) 812-8181.
  - 2. Hunter Douglas, Inc., 2 Park Way, Upper Saddle River, NJ 07458. Tel. (800) 727–8953.
  - 3. Springs Window Fashions Division, Inc., P.O. Box 500, Montgomery, PA 17752. Tel. (570) 547-6671.
- C. Substitutions shall fully comply with specified requirements and Section 01630 Product Options and Substitution Procedures.
- 2.02 MATERIALS

A. Provide faux wood blinds equal to Inspire® 2" Traditional Faux Wood Blinds by Skandia Window Fashions.

#### 2.03 COMPONENTS

- A. Valance: Provide standard valance, 2 5/8" high, molded. Finish to match slats.
- B. Head Channel Hardware: Metal hardware shall be electroplated with lift cords cloth tape guided by acetal low friction thermoplastic grommets in the head channel that prevent wear and discoloration. Operating hardware shall be mechanically locked into head channel by means of snap-in fittings with no mechanical cleats visible from underside of headrail.
- C. Bottomrail: Rectangular molded, 5/8" high by 2" deep. Bottomrail finished shall match slat color and finish.
- D. Slats: Slats shall be made from lead-free, UV-stabilized, integrally colored, opaque, extruded PVC and are resistant to warping, will not crack or yellow, antistatic, and dust-repellent treated. Slats shall be nominally 2" wide, by 1/8" thick. Spacing shall be manufacturer's standard.
- E. Tilt Control: Enclosed worm-gear mechanism and linkage rod for the following operation:
  - 1. Tilt Operation: Manual with wand.
  - 2. Length of Tilt Control: Length required to make operation convenient from floor level and reachable over adjacent built in shelves and desktops.
  - Tilt: Full tilt.
- F. Ladder: Braided string, evenly spaced to prevent long term slat sag.
- G. Cord Lock: Metal cord lock shall be of a snap-in design and incorporate a floating shaft-type locking pin. The freely rotating locking pin shall offer minimum wear to cord. Cord lock shall incorporate a crash-proof safety feature that shall lock blind automatically upon release of cord. Locks pull cord to stop blind in any position in ascending or descending travel.
- H. Lift Cord: Lift cord shall be braided with polyester jacket and center core or an approved equal construction. Size of cord shall be 1.8mm. Cords shall be detachable, if required, and shall be of sufficient length to properly control the raising or lowering of the blind. Lift cords shall be equipped with tassels to match slat finish. Cord ends shall be securely anchored to the bottomrail and it shall be possible to detach and attach cords.
- I. Blinds shall be made with the following cord lock and tilter locations when viewed from within the room:
  - 1. Installation shall have tilter at left, cord lock at right (standard).
  - 2. Where blinds are located at sidelights of doors, tilter and cord lock shall be located on the same side and on the far side away from the door.
- J. End Support Brackets: Universal hinged cover and support brackets of phosphate treated steel with a prime coat of vinyl primer and a finish coat of baked on polyester enamel in color to match headrail. Brackets shall facilitate easy removal of head channel and will include an adjustable tab to eliminate lateral headrail movement.
- K. Intermediate Support Brackets: Brackets shall be furnished for blinds over 36" wide. Maximum spacing for intermediate support brackets shall be 36".

- L. End Stiffeners: Thermoplastic end stiffener caps shall be inserted at each end of the headrail.
- M. The blind shall be free of sharp edges, burrs or other defects which might be harmful. When other materials result in improved specifications, they shall be adopted.
- N. Color: Color of headrail, bottomrail, ladder, wand, cord and accessories shall coordinate with slats. Plastic headrail components shall be white.

#### 2.04 FABRICATION

- A. Prior to fabrication, verify actual opening dimensions by on-site measurement. Calculate blind dimensions to fit with specified tolerances.
- B. Fabricate blinds to fill openings from head to sill and jamb to jamb. One headrail per window may have up to two blinds per headrail if window width exceeds blind maximum. Blind divisions shall be located at mullions.
- C. Fabricate blinds to fill all exterior openings, unless noted otherwise. Do not install blinds at Vestibule 102, Vestibule 103, Stair 117, Stair 139, Lobby 151, Lobby 201, Stair 207, or Stair 240. Provide blinds at Lobby 101 only at window area under gypsum board soffit at east and west ends of the space (blind to mount at horizontal mullion behind soffit). Provide blinds at interior windows at Law Enforcement 133, Fiscal Administrator 205, and mount on door 154C in Auditorium 154. At windows N, O, and P in Auditorium 154, provide two blinds per window (bottom blind to be mounted at center-most horizontal mullion).

#### PART 3 EXECUTION

3.01 INSPECTION AND PREPARATION: Blind installer shall be responsible for inspection of site, installation conditions, and field measurements prior to blind installation.

### 3.02 INSTALLATION

- A. Install blinds in accordance with manufacturer's procedures except as otherwise specified herein.
- B. Install intermediate support brackets and extension brackets as needed to prevent deflection in headrail.
- Install blinds with adequate clearance to permit smooth operation of blinds and any sash operators.
- D. Set tilt and lift controls. Demonstrate blinds to be in smooth, uniform working order.
- E. Blinds may be dusted. Gently clean soiled blind surfaces with a mild soap solution. Do not use steam, hot water, bleach or any abrasive or solvent based cleaners.